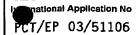
## INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C10G65/04 C10G69/12 C07C1/04 C10G67/02 C10G2/00

According to International Patent Classification (IPC) or to both national classification and IPC

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic da	ata base consulted during the International search (name of data base	se and, where practical, search terms used)		
EPO-In	ternal, WPI Data, PAJ			
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT	<del></del>		
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Retevant to claim No.	
X Y	US 3 239 455 A (BROUGHTON DONALD 8 March 1966 (1966-03-08) column 1, line 31 - line 67	B ET AL)	1-3,9, 10,12 1,2,4-9, 11	
	column 3, line 58 - line 67 column 5, line 48 - line 72 column 6, line 49 - column 7, lir claims 1,2	ne 59;		
X Y	US 6 392 109 B1 (O'REAR DENNIS J 21 May 2002 (2002-05-21) column 2, line 58 - line 65	ET AL)	6 1,2,4-6,	
	column 16, line 14 - column 17, l claims 1,4,5,8; figure 1 column 8, line 27 - line 33 column 6, line 9 - line 59	line 22;	8,9,11	
X Furt	l her documents are listed in the continuation of box C.	X Patent family members are listed t	n annex.	
'A' document defining the general state of the art which is not considered to be of particular retevance  "E" earlier document but published on or after the international filling date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another clation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filling date but		or priority date and not in conflict with cited to understand the principle or the invention  "X" document of particular relevance; the cannot be considered novel or cannot havolve an inventive step when the document of particular relevance; the cannot be considered to involve an indocument is combined with one or moments, such combination being obvious.	current of particular relevance; the claimed invention annot be considered novel or cannot be considered to worker an inventive step when the document is taken alone current of particular relevance; the claimed invention cannot be considered to involve an inventive step when the locument is combined with one or more other such documents, such combination being obvious to a person skilled in the art.	
Date of the	actual completion of the international search	Date of mailing of the international sea	rch report	
1	0 May 2004	17/05/2004		
Name and	mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Deurinck, P		

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PCT/EP 03/51106

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Y	GB 990 744 A (UNIVERSAL OIL PROD CO) 28 April 1965 (1965-04-28) page 3, line 53 - line 58 page 5, line 30 - page 6, line 57; claims 1,2,4-6; example 1	1,2,7
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